

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065320.D
 Acq On : 26 Feb 2020 11:29
 Operator : VA/SY
 Sample : VD0226SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 11:39:21 AM

Quant Time: Feb 27 08:10:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	473858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	695401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	637396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	314315	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	210194	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	7.91	113	223939	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.34	98	881333	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
62) 4-Bromofluorobenzene	12.64	95	284552	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72705	18.293	ug/l	99
3) Chloromethane	2.21	50	97416	19.257	ug/l	97
4) Vinyl Chloride	2.35	62	95939	18.650	ug/l	96
5) Bromomethane	2.76	94	59877	19.252	ug/l	94
6) Chloroethane	2.92	64	61555	19.604	ug/l	99
7) Trichlorofluoromethane	3.27	101	150532	20.440	ug/l	97
8) Diethyl Ether	3.70	74	44819	20.161	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98107	21.095	ug/l	98
10) Methyl Iodide	4.29	142	89560	18.547	ug/l	99
11) Tert butyl alcohol	5.24	59	20882	81.976	ug/l	99
12) 1,1-Dichloroethene	4.06	96	89162	20.295	ug/l	97
13) Acrolein	3.92	56	35621	96.158	ug/l	97
14) Allyl chloride	4.71	41	142112	19.919	ug/l	99
15) Acrylonitrile	5.43	53	97401	98.963	ug/l	99
16) Acetone	4.16	43	92406	88.677	ug/l	95
17) Carbon Disulfide	4.40	76	290830	19.745	ug/l	99
18) Methyl Acetate	4.72	43	50426	21.516	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	181267	19.785	ug/l	98
20) Methylene Chloride	4.96	84	113435	21.859	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	102611	20.545	ug/l	96
22) Diisopropyl ether	6.37	45	285720	20.774	ug/l	99
23) Vinyl Acetate	6.31	43	719301	94.866	ug/l	99
24) 1,1-Dichloroethane	6.26	63	176070	20.639	ug/l	97
25) 2-Butanone	7.22	43	119976	90.999	ug/l	99
26) 2,2-Dichloropropane	7.21	77	154297	20.846	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	107813	20.379	ug/l	98
28) Bromochloromethane	7.55	49	58791	18.576	ug/l	100
29) Tetrahydrofuran	7.57	42	74896	96.953	ug/l	99
30) Chloroform	7.71	83	176752	20.565	ug/l	97
31) Cyclohexane	7.98	56	169492	20.221	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	161627	21.019	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142453	21.053	ug/l	99
37) Ethyl Acetate	7.30	43	55505	19.623	ug/l	99
38) Carbon Tetrachloride	8.10	117	145105	21.066	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164065	20.625	ug/l	97
40) Benzene	8.35	78	405631	21.239	ug/l	99
41) Methacrylonitrile	7.54	41	30147	18.458	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	104707	19.943	ug/l	98
43) Isopropyl Acetate	8.46	43	101200	19.674	ug/l	98
44) Trichloroethene	9.11	130	114611	21.649	ug/l	100
45) 1,2-Dichloropropane	9.39	63	99879	21.032	ug/l	99
46) Dibromomethane	9.48	93	50464	20.653	ug/l	98
47) Bromodichloromethane	9.67	83	133890	20.792	ug/l	99
48) Methyl methacrylate	9.46	41	46730	19.654	ug/l	94
49) 1,4-Dioxane	9.47	88	10850	378.602	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	261453	100.075	ug/l	99
52) Toluene	10.41	92	259310	21.935	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	122324	20.494	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	148970	20.669	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	72116	20.969	ug/l	89
56) Ethyl methacrylate	10.67	69	80078	20.173	ug/l	96
57) 1,3-Dichloropropane	10.95	76	122380	20.908	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	122881	98.188	ug/l	99
59) 2-Hexanone	10.99	43	183911	98.338	ug/l	99
60) Dibromochloromethane	11.14	129	92753	21.071	ug/l	99
61) 1,2-Dibromoethane	11.25	107	66364	20.380	ug/l	100
64) Tetrachloroethene	10.88	164	100056	22.133	ug/l	94
65) Chlorobenzene	11.67	112	276784	21.639	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	101348	21.233	ug/l	99
67) Ethyl Benzene	11.75	91	474372	21.175	ug/l	99
68) m/p-Xylenes	11.86	106	373982	43.634	ug/l	99
69) o-Xylene	12.18	106	161741	21.300	ug/l	100
70) Styrene	12.20	104	288850	21.426	ug/l	99
71) Bromoform	12.37	173	54234	20.476	ug/l #	100
73) Isopropylbenzene	12.48	105	449794	21.615	ug/l	99
74) N-amyl acetate	12.30	43	89695	19.398	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	76073	20.256	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	51216m	19.151	ug/l	
77) Bromobenzene	12.77	156	112558	21.783	ug/l	98
78) n-propylbenzene	12.83	91	551940	22.072	ug/l	99
79) 2-Chlorotoluene	12.91	91	298261	21.291	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	371685	21.687	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	24185	19.527	ug/l	93
82) 4-Chlorotoluene	13.01	91	318891	21.442	ug/l	98
83) tert-Butylbenzene	13.23	119	308699	21.490	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	372741	21.728	ug/l	100
85) sec-Butylbenzene	13.41	105	447617	21.625	ug/l	100
86) p-Isopropyltoluene	13.53	119	416458	22.001	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	213187	21.341	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	205232	20.816	ug/l	97
89) n-Butylbenzene	13.86	91	378075	21.675	ug/l	99
90) Hexachloroethane	14.12	117	82777	21.537	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	182097	21.230	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12310	21.270	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119708	21.336	ug/l	99
94) Hexachlorobutadiene	15.28	225	78953	21.937	ug/l	99
95) Naphthalene	15.41	128	182000	19.954	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	104628	21.352	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

